

**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

1. (Currently amended) A polynucleotide selected from the group consisting of:
  - (a) a polynucleotide comprising ~~a protein-coding region~~ of the nucleotide sequence of SEQ ID NO[[s]]: ~~1-2188 and SEQ ID NOS: 4377-4683; 102 and~~
  - (b) a polynucleotide comprising the nucleotide sequence encoding a polypeptide that comprises the amino acid sequence of ~~any one of~~ SEQ ID NO[[S]]: ~~2189-4376 and SEQ ID NOS: 4684-4990; 2290.~~
  - ~~(c) a polynucleotide comprising a nucleotide sequence encoding a polypeptide, which comprises the amino acid sequence selected from SEQ ID NO: SEQ ID NOS: 2189-4376 and SEQ ID NOS: 4684-4990 wherein one or more amino acids have been substituted, deleted, inserted, and/or added, and which is functionally equivalent to the polypeptide comprising the selected amino acid sequence as described above;~~
  - ~~(d) a polynucleotide which hybridizes to a polynucleotide comprising the nucleotide sequence selected from SEQ ID NOS: 1-2188 and SEQ ID NOS: 4377-4683, and which comprises the nucleotide sequence encoding a polypeptide functionally equivalent to a polypeptide encoded by the selected nucleotide sequence as described above;~~
  - ~~(e) a polynucleotide comprising a nucleotide sequence encoding a partial amino acid sequence of a polypeptide encoded by the polynucleotides according to any one of~~  
~~(a)-(d);~~
  - ~~(f) a polynucleotide comprising a nucleotide sequence having at least 70% identity to the nucleotide sequence of any one of SEQ ID NOS: 1-2188 and SEQ ID NOS: 4377-4683; and~~
  - ~~(g) a polynucleotide comprising a nucleotide sequence having at least 90% identity to the nucleotide sequence of any one of SEQ ID NOS: 1-2188 and SEQ ID NOS: 4377-4683.~~
- 2.-4. (Cancelled).

5. (Original) A vector comprising the polynucleotide according to claim 1.
6. (Original) A transformant comprising the polynucleotide according to claim 1 or the vector according to claim 5.
7. (Original) A transformant which comprises the polynucleotide according to claim 1 or vector according to claim 5 in an expressible manner.
8. (Previously presented) A method for producing a polypeptide or a peptide, which comprises the steps of:
  - (a) culturing the transformant according to claim 7; and
  - (b) recovering the expression product.
- 9.-14. (Cancelled)